



# GOTS IUID Tools for Marking and Business Systems

Training and Support  
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In Support of DASN AL&M  
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# IUID Next Steps

- Getting started with IUID is complex, costly and time consuming
- DON Strategy for combating these problems:
  - Leverage existing government expertise and capabilities
  - Produce government owned, standard, repeatable, reusable processes and tools
  - Distribute these tools freely across DON and beyond
  - Expedite IUID compliance efforts

# Example Government Owned Tools

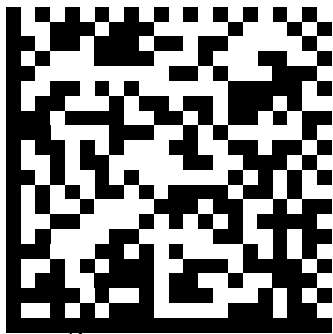


# The Quick Compliance Tool Suite (QCTS)

- QCTS includes a variety of tools that address specific IUID issues
  - QCTS Compliance Checker
    - Web based and Handheld versions
  - iQ—Integrated QCTS
  - Receipt and Acceptance Tool
  - Should Cost Model
  - DON IUID Dashboard
  - QCTS Libraries

# QCTS Compliance Checker

- Determines if a 2D data matrix is compliant and registered
  - Reflection of OSD Policy
  - Checks 54+ permutations
- Compatible with tethered scanner or image upload
- Publically accessible



I'm IUID compliant...Trust me.

The screenshot shows the QCTS Compliance Checker web application. The header includes the QCTS logo and navigation links for IUID Compliance, Registry Check, and Scanner Support. The main section is titled 'IUID Compliance' and features a 'Click to Scan' button with a scanner icon, an 'or Upload' section with 'Browse...' and 'Upload' buttons, and a 'Check Image' button. A 'Hide Images' button is also present. Below these, the 'UUI:' field displays 'D1633163A158097P1B333550'. The 'Compliance Results:' section shows 'UID passed error check.' and the 'Registry Results:' section shows 'Found in IUID Registry'. A 'Less Information' button is located below the results. The bottom section contains two tables: 'Checks Performed' and 'IUID Mark Data'.

Status	Check Type
✓	Check for Invalid Header
✓	Check for Invalid Format Code
✓	Check for Violation of Enterprise Identifier Constraints
✓	Check for Invalid CAGE Code
✓	Check for Invalid Original Part Number

Element Name	Value
CAGE	16331
Serial Number	B333550
Original Part Number	63A158097P1
Format	06
IAC	D
UUI	D1633163A158097P1B333550
Raw IUID	[> <R/S> 06 <G/S> 17V16331 <G/S> 1P63A158097P1 <G/S> SB333550 <R/S> <EOT>

# Handheld QCTS Compliance Checker

- Compatible with Windows Mobile based handhelds
- Includes functionality of web based version
  - Will check for registration status if wireless network is available
- Includes reporting functionality



# iQ Desktop and Handheld

- Integrates desktop IUID data management with handheld computers
  - Handheld applications are created from the desktop
  - Each of these applications is fully customizable
- Modular Construction
  - Supports plug-ins like a modern internet browser



The screenshot displays the iQ Desktop software interface. On the left, there is a navigation pane with a tree view showing 'Warehouse Inventory' and 'Warehouse\_material'. Below this is a 'Clipboard' section with 'Warehouse Clipboards' and 'Air Compressors'. The main area shows a table of inventory data with columns: 'Uti', 'Description', 'EnterpriseIdentifier', 'SerialNumber', 'UtiType', 'BaggedOrAgged', 'Contents', 'AddedOrRenewed', 'MarketCode', 'MarketIdentifier', 'ModuleCode', and 'Set...'. The table contains multiple rows of data for 'AIR COMPRESS...' items. At the bottom, a status bar shows 'Viewing Clipboard Records: 15 of 15', 'Viewing File Records: 0 of 0', 'Active Ports: [COM1] [COM2] [COM3]', 'Inactive Devices: [Symbol 000000] [Serial Mode] - COM1 (Not Connected)', and 'COM2 (Not Connected)'.

Uti	Description	EnterpriseIdentifier	SerialNumber	UtiType	BaggedOrAgged	Contents	AddedOrRenewed	MarketCode	MarketIdentifier	ModuleCode	Set...
	AIR COMPRESS...	53711	3615128	UID1	N	UID	A	D	53711		Set Ex
	AIR COMPRESS...	53711	3LW00212	UID1	N	UID	A	D	53711		Set Ex
	AIR COMPRESS...	53711	3LW00214	UID1	N	UID	A	D	53711		Set Ex
	AIR COMPRESS...	53711	3LW00215	UID1	N	UID	A	D	53711		Set Ex
	AIR COMPRESS...	53711	3LW00216	UID1	N	UID	A	D	53711		Set Ex
	AIR COMPRESS...	53711	6A163777	UID1	N	UID	A	D	53711		Set Ex
	AIR COMPRESS...	53711	6A163778	UID1	N	UID	A	D	53711		Set Ex
	AIR COMPRESS...	53711	6A163779	UID1	N	UID	A	D	53711		Set Ex
	AIR COMPRESS...	53711	6A163780	UID1	N	UID	A	D	53711		Set Ex
	AIR COMPRESS...	53711	6A163781	UID1	N	UID	A	D	53711		Set Ex
	AIR COMPRESS...	53711	6A163782	UID1	N	UID	A	D	53711		Set Ex
	AIR COMPRESS...	53711	6A163783	UID1	N	UID	A	D	53711		Set Ex

# Field Receipt and Acceptance Tool

- OSD Field Receipt and Acceptance (R&A) Tool
  - OSD driven for use with WAWF
  - Moves R&A from the workstation to the handheld
  - Automates process by leveraging existing AIT
    - Reads multiple types of barcodes
  - Process integrates IUID seamlessly
  - Will provide accountability without impacting workload





# Should Cost Model

The screenshot shows a Microsoft Excel spreadsheet titled "ShouldCostModel\_100009.xlsm". The spreadsheet is a form for the "QCTS IUID Should Cost Model". It includes a "Save Info" button and a "Reset Info" button. The form is divided into two main sections: "Questions" and "Answer".

Questions	Answer
Average Time To Apply Marks (in minutes)	10
Average Wages for Marking Staff (in dollars per hour)	12
Item Description	Various
Does the item have drawings?	No
Total Number of items to be marked	213
Total Value of items	\$1,235,000

Below the table, there are several questions with "Yes" or "No" answers:

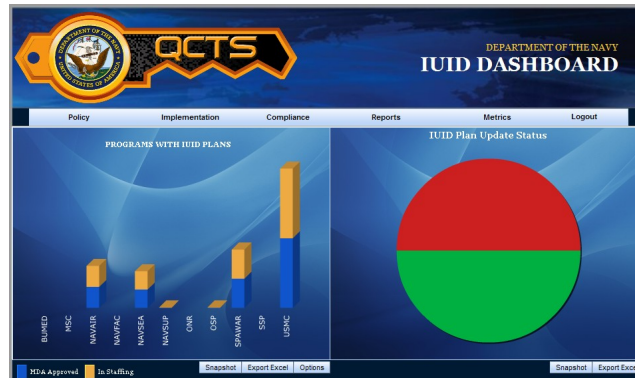
- Does the item have a Label or Name Plate? No
- Is the item directly marked (engraved, stamped, etc.)? Yes
- Can the 2D data matrix be directly marked using the same process? No
- Can a label be used without altering the form, fit or function of the item? Yes
- Is the item subject to adverse conditions (solvents, water, heat, etc.)? Yes
- Commercial Label and adhesive is available for those conditions? Yes

At the bottom, there is a text input field: "Enter the approximate cost of each label (in dollars)".

- MS Excel based tool
  - No Software installation required
  - NMCI compliant
- Gathers information about marking process
- Calculates the costs involved in marking process
- Saves information for history
- Tool will benefit PEO's, PM's, Contracting

# DON IUID Dashboard

- Provides detailed IUID planning, implementation and financial metrics.
- Automatically generates metrics from collected IUID data
- Customizable Charts and Reports
  - Each user can create a custom home view
  - All chart data can be filtered to create custom charts
  - Charts can be download as snapshots
  - Data can be filtered and exported in Excel format for ad hoc reporting



# QCTS Libraries

- QCTS functionality available for incorporation into existing AISs
- Reduces duplicative software development efforts
- Available as libraries for new and existing applications
  - Libraries available in Java, JavaScript, and .NET
  - Example code provided to ease integration
- Can be used for desktop or handheld applications
- MFOM, PQDR, JAMISS, RSupply, BCS, others

# Visit the DON IUID Booth for More Information

